ELSEVIER

Forest Ecology and Management 183 (2003) 401–402

Forest Ecology and Management

www.elsevier.com/locate/foreco

Contents of *Forest Ecology and Management*, Volume 183

VOLUME 183, ISSUES 1–3 **15 SEPTEMBER 2003**

Regular articles

Financial and ecological analysis of management options for logged-over Dipterocarp forests in Indonesian Borneo
P.R. van Gardingen, M.J. McLeish, P.D. Phillips (Edinburgh, UK), D. Fadilah, G. Tyrie and I. Yasman (Jakarta, Indonesia) . . . 1
Improved Landsat-based forest mapping in steep mountainous terrain using object-based classification
L.K.A. Dorren (Amsterdam, The Netherlands), B. Maier (Schruns, Austria) and A.C. Seijmonsbergen (Amsterdam, The Netherlands) . . . 31
Effects of different thinning intensities on drought response in Norway spruce (*Picea abies* (L.) Karst.)
M. Laurent (Berkeley, CA, USA), N. Antoine (Marseille, France) and G. Joël (Aix-en-Provence, France) . . . 47
The effects of moisture and shade on seed germination and seedling survival in a tropical dry forest in Jamaica
K.P. McLaren and M.A. McDonald (Wales, UK) . . . 61
Assessing tree seedling vitality tests using sensitivity analysis of a process-based growth model
P.E. Levy (Midlothian, UK) and H.M. McKay (Edinburgh, UK) . . . 77
The 2D modeling of tree community: from "microscopic" description to macroscopic behavior
V.V. Galitskii (Pushchino, Russia) . . . 95
Effects of past fly ash deposition on the forest floor humus chemistry of pine stands in Northeastern Germany
S. Klose and F. Makeschin (Tharandt, Germany) . . . 113
Use of regenerating clearcuts by late-successional bird species and their young during the post-fledging period
M.R. Marshall, J.A. DeCecco, A.B. Williams (Athens, GA, USA), G.A. Gale (Bangkok, Thailand) and R.J. Cooper (Athens, GA, USA) . . . 127
An analysis of spatial forest structure using neighbourhood-based variables
O. Aguirre (Linares, Mexico), G. Hui, K. von Gadow (Göttingen, Germany) and J. Jiménez (Linares, Mexico) . . . 137
Statistical forecasting of soil dryness index in the southwest of Western Australia
Y. Li, E.P. Campbell (Wembley, Australia), D. Haswell, R.J. Sneeuwjagt (Bentley, Australia) and W.N. Venables (Cleveland, Australia) . . . 147
Influence of residual tree density on predation of artificial and natural songbird nests
A. Kari Stuart-Smith and J.P. Hayes (Corvallis, OR, USA) . . . 159
Differences in plant species diversity in *Larix kaempferi* plantations of different ages in central Japan
T. Nagaike, A. Hayashi (Yamanashi, Japan), M. Abe and N. Arai (Niigata, Japan) . . . 177
Clear-cut effects on chestnut forest soils under stressful conditions: lengthening of time-rotation
A. Rubio (Madrid, Spain) and A. Escudero (Móstoles, Spain) . . . 195
Forest dynamics in unexploited birch (*Betula pendula*) stands in the Vosges (France): structure, architecture and light patterns
A. Schnitzler and D. Closset (Metz, France) . . . 205
Evaluation of coarse woody debris and forest vegetation across topographic gradients in a southern Ohio forest
D.L. Rubino (Hanover, IN, USA) and B.C. McCarthy (Athens, OH, USA) . . . 221
Identifying factors related to the severity of mammalian browsing damage in eucalypt plantations
J. Bulinski (Albany, Australia) and C. McArthur (Hobart, Australia) . . . 239
The effects of selective logging on forest structure and tree species composition in a Central African forest: implications for management of conservation areas
J.S. Hall (New Haven, CT, USA), D.J. Harris (Scotland, UK), V. Medjibe (New Haven, CT, USA and Bayanga, Central African Republic) and P.M.S. Ashton (New Haven, CT, USA) . . . 249
Development of forest structure on cleared rainforest land in eastern Australia under different styles of reforestation
J. Kanowski, C.P. Catterall (Nathan, Australia), G.W. Wardell-Johnson (Gatton, Australia), H. Proctor and T. Reis (Nathan, Australia) . . . 265

doi:10.1016/S0378-1127(03)00361-X

Growth and leaf nutrient responses of loblolly and slash pine families to intensive silvicultural management
Y. Xiao (Moscow, ID, USA), E.J. Jokela and T.L. White (Gainesville, FL, USA) 281
Effect of defoliation associated with *Essigella californica* on growth of mid-rotation *Pinus radiata*
B.M. May and J.C. Carlyle (Mount Gambier, Australia) 297
Radial-growth forecasts for five high-elevation conifer species on Vancouver Island, British Columbia
C.P. Laroque and D.J. Smith (Victoria, Canada) 313
Modelling the short-term effects of climate change on the productivity of selected tree species in Nordic countries
J. Bergh, M. Freeman (Alnarp, Sweden), B. Sigurdsson (Reykjavik, Iceland), S. Kellomäki, K. Laitinen, S. Niinistö, H. Peltola (Joensuu, Finland) and S. Linder (Alnarp, Sweden) 327
Genetic variation in a *Hypsipyla*-attacked clonal trial of *Cedrela odorata* under two pruning regimes
J.P. Cornelius (Turrialba, Costa Rica) and A.D. Watt (Banchory, UK) 341
Regenerating mahogany (*Swietenia macrophylla*) from seed in Quintana Roo, Mexico: the effects of sowing method and clearing treatment
P. Negreros-Castillo (Ames, IA, USA), L.K. Snook (Jakarta, Indonesia) and C.W. Mize (Ames, IA, USA) 351
The influence of weed competition for light and water on growth and dry matter partitioning of young *Pinus radiata*, at a dryland site
M.S. Watt (Christchurch, New Zealand), D. Whitehead (Lincoln, New Zealand), E.G. Mason (Christchurch, New Zealand), B. Richardson and M.O. Kimberley (Rotorua, New Zealand) 363
Survival and growth of native and alien woody seedlings in open and understory environments
N.L. Sanford, R.A. Harrington and J.H. Fownes (Amherst, MA, USA) 377
Effects of sprouting and canopy states on the structure and dynamics of a *Castanopsis cuspidata* var. *sieboldii* sapling population in an old-growth evergreen broad-leaved forest
M. Miura and S.-I. Yamamoto (Nagoya, Japan) 387

Contents of *Forest Ecology and Management*, Volume 183 401